

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	874	52/239.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 10:32
S2	80	52/240.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 11:24
S3	70	S2 not S1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 11:24
S4	676	312/263.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 11:26
S5	676	S4 not (S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 11:26
S6	442	312/265.5.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 11:26
S7	345	S6 not (S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 11:26
S8	443	312/108.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 11:27

S9	364	S8 not (S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 11:27
S10	160	411/104.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 12:17
S11	159	S10 not (S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 12:18
S12	290	411/402.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 12:18
S13	290	S12 not (S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 12:18
S14	538	411/432.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 12:18
S15	517	S14 not (S12 or S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 12:18
S16	4	("2645438").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/05 12:34
S17	471	403/256.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 13:39
S18	464	S17 not (S14 or S12 or S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 13:39

S19	87	403/257.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:06
S20	79	S19 not (S17 or S14 or S12 or S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:06
S21	220	403/258.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:07
S22	205	S21 not (S19 or S17 or S14 or S12 or S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:07
S23	311	403/259.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:07
S24	294	S23 not (S21 or S19 or S17 or S14 or S12 or S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:07
S25	703	403/373.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:34
S26	689	S25 not (S23 or S21 or S19 or S17 or S14 or S12 or S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:34
S27	231	403/374.3.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:35
S28	203	S27 not (S25 or S23 or S21 or S19 or S17 or S14 or S12 or S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:35

S29	359	403/374.4.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:35
S30	329	S29 not (S27 or S25 or S23 or S21 or S19 or S17 or S14 or S12 or S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:35
S31	37	403/dig.10.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 15:18
S32	33	S31 not (S29 or S27 or S25 or S23 or S21 or S19 or S17 or S14 or S12 or S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 15:18
S33	122	403/dig.12.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 15:19
S34	102	S33 not (S31 or S29 or S27 or S25 or S23 or S21 or S19 or S17 or S14 or S12 or S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 15:19
S35	129	403/dig.13.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 15:19
S36	113	S35 not (S33 or S31 or S29 or S27 or S25 or S23 or S21 or S19 or S17 or S14 or S12 or S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 15:19
S37	150	411/84.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 15:51
S38	132	S37 not (S35 or S33 or S31 or S29 or S27 or S25 or S23 or S21 or S19 or S17 or S14 or S12 or S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 15:51

S39	180	411/85.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 15:56
S40	128	S39 not (S37 or S35 or S33 or S31 or S29 or S27 or S25 or S23 or S21 or S19 or S17 or S14 or S12 or S10 or S8 or S6 or S4 or S2 or S1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 15:56
S41	50	("0197721"   "0214536"   "0215348"   "0338811"   "1055021"   "1165155"   "1423202"   "2186953"   "2225612"   "2392551"   "2741808"   "2781657"   "2832101"   "2928273"   "3017970"   "3251163"   "3890053"   "3990204"   "4200254").FN. OR ("4457117").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:54
S42	10	("4575295"   "4666355"   "5116161"   "5199836"   "6086300").FN. OR ("6733221").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:57
S43	19	("1037384"   "2314756"   "2394491"   "2654923"   "2945524"   "3192981"   "3198229"   "4145794"   "5407311"   "5934855"). FN. OR ("6616390"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:59
S44	23	("0389340"   "0420775"   "0671145"   "0728169"   "0827369"   "0926910"   "2747638"   "3271914"   "4254596"   "4945692"   "5119603").FN. OR ("5647174").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 12:01
S45	27	("3908330"   "4575295"   "4784554"   "4830531"   "4840525"   "5076748"). FN. OR ("5199836"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 12:03

S46	38	("2214177"   "3250584"   "3318622"   "3332182"   "3434748"   "3513606"   "3537736"   "3574367"   "3672710"   "3866364"   "3871153"   "4017199"   "4204375"   "4299067"   "4333284"   "4490064"   "4570408"   "4756639"   "5079860"   "5203135"   "5363625"   "5651630"   "5683197"   "5769460"   "5809709"   "5816734"   "5823704"   "6032433"   "6062764"   "6185887"   "6203239").FN. OR ("6764245").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 12:07
S47	7	("571042").URPN.	USPAT	OR	ON	2009/11/06 12:09
S48	1	("2003/0091407").URPN.	USPAT	OR	ON	2009/11/06 12:10
S49	23	("2676680"   "3345899"   "4460299"   "4830531"   "5076748").FN. OR ("6086300").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 12:11
S50	26	("1296275"   "2183085"   "2399181"   "2444040"   "3186049"   "3480311"). FN. OR ("5076748"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 12:12
S51	9	("2747638").URPN.	USPAT	OR	ON	2009/11/06 12:15
S52	19	("0571042"   "2468248"   "2747638"   "2815997"   "3787124"   "4139316"   "4514107"   "4597702"   "4633636"   "4715626"   "5647174").FN. OR ("5934819").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 12:16
S53	15	(US-4936066-\$ or US- 4457117-\$ or US-5536078- \$ or US-6733221-\$ or US- 6616390-\$ or US-5647174- \$ or US-5199836-\$ or US- 6764245-\$ or US-0571042- \$ or US-6086300-\$ or US- 5076748-\$ or US-5794901- \$ or US-4904110-\$ or US- 2747638-\$ or US-5934819- \$).did.	USPAT	OR	ON	2009/11/06 12:56

S54	2	S53 and taper\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 12:56
S55	165	411/104.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:07
S56	295	411/402.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:08
S57	550	411/432.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:08
S58	152	411/84.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:09
S59	181	411/85.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:09
S60	679	312/263.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:10
S61	447	312/265.5.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:12
S62	446	312/108.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:13
S63	884	52/239.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:13

S64	80	52/240.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:15
S65	472	403/256.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:16
S66	88	403/257.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:16
S67	222	403/258.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:17
S68	312	403/259.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:17
S69	709	403/373.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:17
S70	233	403/374.3.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:18
S71	367	403/374.4.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:18
S72	37	403/dig.10.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:19
S73	123	403/dig.12.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:19



S74	129	403/dig.13.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 09:19
S77	2	("7159288").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/07/22 09:55
S78	2	("5123629"   "5810333"). PN. OR ("7159288"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/22 09:55
S79	33	("2329260"   "4356999"   "4365453"   "5299781"   "5542649"   "5813662"   "6257556"   "6336623"   "6637171"   "6807710"   "7086641"   "RE39842"). PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 12:44
S80	56	ferguson-michael\$.xa. and "256"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/22 13:28
S81	14	("1226465"   "1450644"   "1582574"   "3119588"   "3519234"   "4279104"   "5088680"   "6986496"   "7044449").PN. OR ("7384024").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/22 13:29

## EAST Search History (I Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S75	2385	clamp\$3 with (bolt or screw or thread \$3) with head with rotat\$4	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/22 09:22
S76	5	S75 with (channel or slot or groove) with gear	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/22 09:22

8/11/2010 1:57:51 PM

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